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Reproductive biology of fringe-lipped carp, *Labeo fimbriatus* (Bloch) from Vani Vilasa Sagara, of Karnataka, IndiaRajanna K B¹, Nayana P², Anjanayappa H N² and Chethan N¹¹Fisheries Research and Information Centre, Bengaluru, India²College of Fisheries, Mangalore, India

The 'fringe-lipped' peninsula carp *Labeo fimbriatus* (Bloch) is a potential and an abundant fish species of rivers and reservoirs of peninsular India. It contributes a part of inland fish production and also plays a role in rural economy in major carp deficient regions of India. The fish is locally called as "Kemmeen" in Karnataka. Month wise samples were collected from the Vanivilasa Sagar Reservoir fish landing centre and fishing villages around the reservoir. For this study, a total of 1,126 specimens were examined during March, 2013 – February, 2014. Studies on the reproductive biology showed the occurrence of ripe gonads more during October, November, December and January. Thus it may be concluded that spawning season coinciding with monsoon season and the size at maturity was found to be 36 and 37 cm total length (M and F). Fecundity ranged from 63,897 to 5, 10,824 with an average of 2, 43,304 eggs and the predominance of female was reported. The pooled sex ratio (M: F) was found to be 1:1.09. This study will throw light on reproductive biology of fish for captive brood stock development, breeding and rearing of *Labeo fimbriatus*. Since this fish is commercially important, the study would help to take up hatchery production.

Biography

Rajanna K B is an Assistant Professor at Fisheries Research and Information Centre (Inland), Hebbal, Nataka Veterinary, Animal and Fisheries Sciences University. He has 8 years of service in the field of Fisheries and Aquaculture. Besides research, he is also involved in imparting training to the scientific and farming communities.

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